

05

Material useful for making bone replacement implants comprises nonmetallic inorganic filler particles embedded in a laser-sinterable biocompatible polymer matrix

Patent number: DE10055465 (A1)
Publication date: 2002-05-23
Inventor(s): TANGERMANN KATJA [DE]; BAUER JOCHEN [DE]
Applicant(s): BLZ GMBH [DE]
Classification:
- international: A61F2/28; A61F2/30; A61L27/44; A61L27/46; B29C67/00; A61F2/00; A61F2/28; A61F2/30; A61L27/00; B29C67/00; A61F2/00; (IPC1-7): A61L24/00; A61L27/00; A61L27/14; A61L27/44
- european: A61F2/28; A61F2/30M4; A61L27/44A; A61L27/44R; A61L27/46; B29C67/00L
Application number: DE20001055465 20001109
Priority number(s): DE20001055465 20001109

Also published as:

WO02070031 (A1)

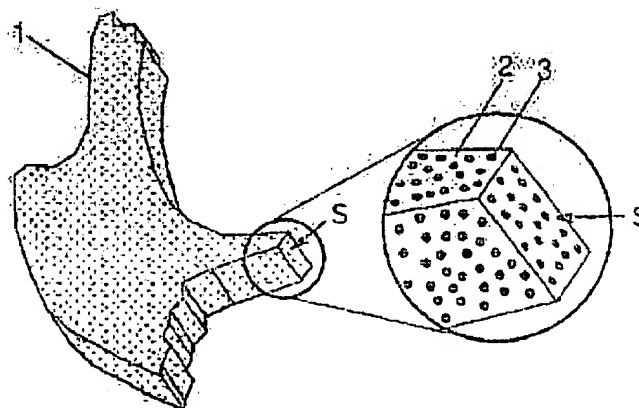
Cited documents:

DE19728131 (A1)
 DE4400073 (A1)
 DE4230339 (A1)
 DE4219321 (A1)
 DE4029714 (A1)

more >>

Abstract of DE 10055465 (A1)

Bone replacement material (I) comprises nonmetallic inorganic filler particles (3) embedded in a laser-sinterable biocompatible polymer matrix (2). Independent claims are also included for the following: (1) (1) a process for producing a bone replacement implant, comprising: (a) preparing (I) as a powder mixture; (b) depositing a layer of the powder; (c) laser-sintering the layer according to predetermined implant geometry data; and (d) repeating step (b) and (c); and (2) (2) a bone implant comprising (I) in which the filler particles on the surface are only partially embedded in the matrix.



Data supplied from the esp@cenet database — Worldwide